

RB/OSA

NRO REVIEW COMPLETED

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11 April 1963

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MEMORANDUM FOR: Assistant Director, OSA
Deputy Assistant Director, OSA

SUBJECT : Summary of OSA Activities for Week Ending
10 April 1963

NRO

1. The M-2/EJ Committee, a group established by the DMRD to create an improved search type satellite reconnaissance system, have heard presentations by [REDACTED] LMSC, Itek, GE, EK and [REDACTED] on [REDACTED] M; M-2; Agena; the GE reconnaissance vehicle; E-6 camera and advanced versions; Atlas/TAT boosters; and future developments. Majority opinions were to:

- a. Reactivate EJ to limited extent
- b. Start M-2 program
- c. Start C-375 program
- d. Resume Atlas vs TAT
- e. Start MX-8 capsule
- f. Keep M going (unanimous opinion)
- g. How to manage program (tabled)

General Greer received a preliminary report on the above on 9 April.

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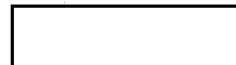
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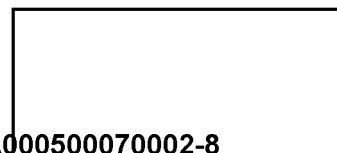
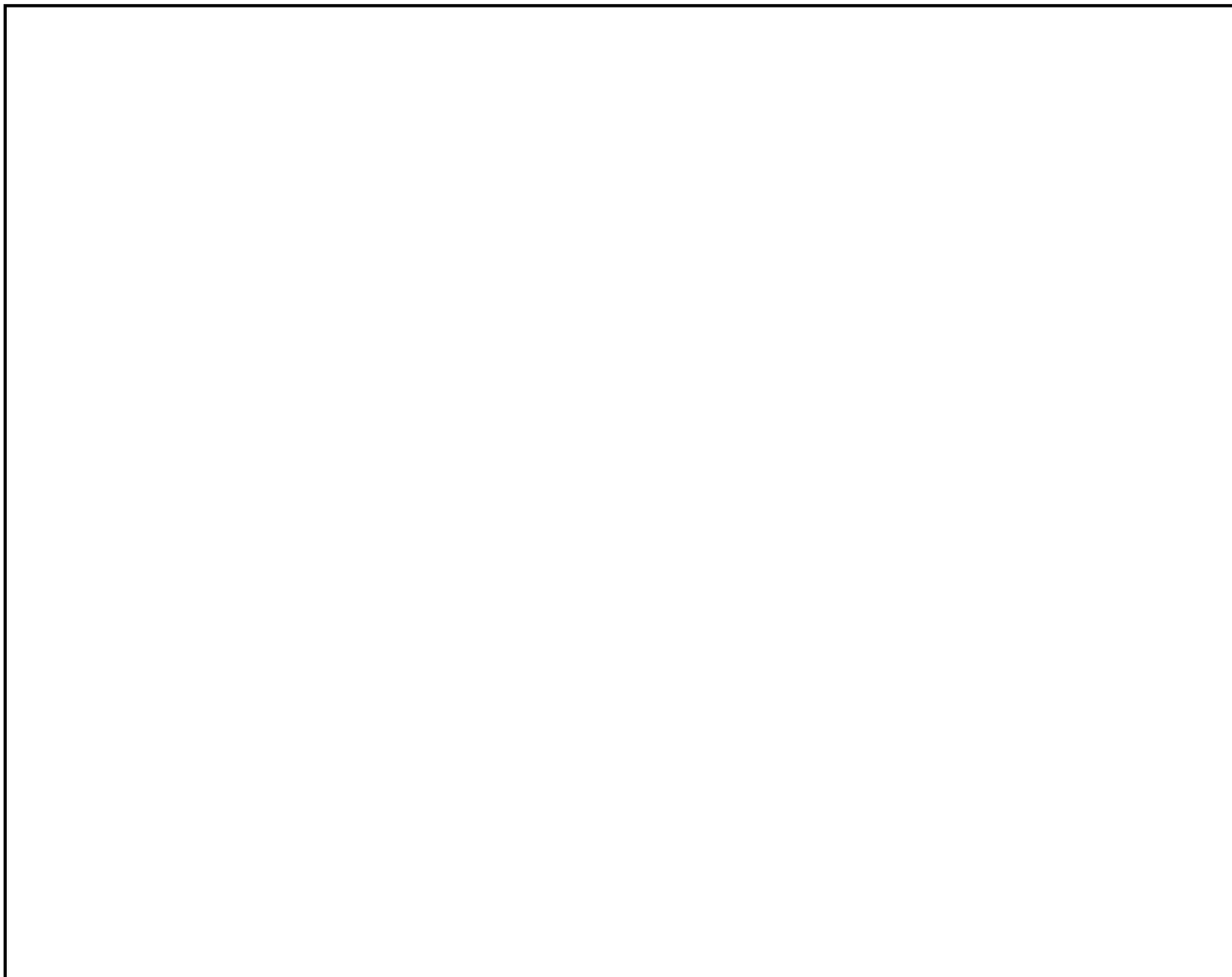


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IDEALIST

1. OSA is working on an approach to increase the ground resolution of U-2 photography for the Cuban requirement. Proposals from Hycon, Itek and EK are being considered at this time. For the immediate future there are several possibilities, all of which involve adapting existing cameras to existing lenses and reducing the amount of lateral and linear coverage in favor of obtaining maximum resolution over a rather small target - less than four miles wide and 200 miles long. Such an installation could probably be provided by 10 May in a U-2 and, as an estimate, would afford better than two foot ground resolution.

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2. Pratt and Whitney has prepared a program for evaluating engine starting with one of the latest configuration development engines which incorporates the complete performance package. The program is basically intended to evaluate the current AFS 200 starter and a modified 200 starter with different gear ratio mounted horizontally on a new stand gearbox that they have designed. The most significant factor being looked for is the effect of the gear ratio change on engine starting. The engine will be instrumented so that starting requirements with this configuration will be checked or defined, and will include the new increased area start bleed doors. Scheduling for the program is not firm.

3. One of the major problem areas this week is in the fuel dump shutoff valve of the ORCA aircraft. This valve stuck open for the second time in flight on Aircraft 124 this week. Parts are now being installed to prevent complete loss of fuel due to this dump shutoff valve.

4. According to [redacted] latest report on the A-12 propulsion matching problem, Pratt and Whitney and Lockheed appear to be isolating the problem areas and at least identification of the specific cause is near at hand.

5. Due to the slippage in personnel arrival dates, the C-130 scheduled [redacted] will now be delivered about 1 July 1963. One pilot is scheduled to arrive on 1 May and another on 15 May; two aircraft mechanics are expected [redacted] on 20 May; but no qualified nominee has been received from the USAF to date for a flight engineer.



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